

Anti-EMMPRIN/CD147 Antibody-FITC (2T794)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	FITC
Clone:	2T794
Purification:	Protein A

Applications

Verified Activity:	<ol style="list-style-type: none">1. Profile of peripheral blood lymphocytes analyzed by flow cytometry. The fluorescence histograms were derived from events with the forward and side light-scatter characteristics of viable lymphocytes.2. Profile of anti-CD147 reactivity on HeLa cells, PC-3 cells, A549 cells analyzed by flow cytometry.3. Immunofluorescence staining of human CD147 in HeLa cells with rabbit monoclonal antibody (5 µg/mL). The image showing membrane staining of HeLa cells. Primary antibody (FITC conjugated) was incubated for 1 hour at 37°C.
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CD147 protein
Antigen Species:	Human
Synonyms:	basigin (Ok blood group)

Research Background

CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. It is a member of the immunoglobulin superfamily with homology to both the immunoglobulin V domain and MHC class II antigen beta-chain. This protein play important roles in variety of events including spermatogenesis, embryo implantation, neural network formation. CD147 induces the production and release of matrix metalloproteinases (MMP) in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells. Furthermore, CD147 also serves as a receptor for extracellular cyclophilinthe and its association with integrins might be important in signal transduction. Recently, CD147 displays increased expression in many cancers, and it has been previously demonstrated to participate in cancer metastasis and progression. Thus, CD147 and its antibody are used as an effective treatment for malignant cancers.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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